

PROPOSED AMENDED ABSTRACT

~~The invention relates to a A device for the determination of~~
~~determining~~ flow parameters ~~of a fluid, in particular,~~
~~particularly~~ the temperature and flow speed and changes therein,
in a fluid flow for monitoring, ~~a method for operating such a~~
~~device, a determination method itself and a fire recognition or~~
oxygen measuring device provided with such a device are provided.
~~The aim of the invention is the recognition of a A slow or sudden~~
blockage, crack or break in a pipe system ~~(13)~~ of an aspirative
fire recognition device is recognized by ~~means of~~ a measurement
technique, whereby an air flow sensor ~~(1)~~, operated with a
constant excess temperature, is combined with a regulation
algorithm, running in a microprocessor ~~(4)~~, for monitoring ~~the~~
pipe system fluid flow or ~~the flow resistance in the pipe system~~
~~(13)~~. The required resistance of the air flow sensor ~~(1)~~ can thus
be calculated ~~according to~~ by an exact sensor calibration curve
and a precise control loop ~~(3)~~ formed. The measured values
recorded by the air flow sensor ~~(1)~~ are ~~thus~~ extremely reliable,
such that changes in condition for the flow parameters provide
information about the state of the pipe system ~~(13)~~ or the intake
system.